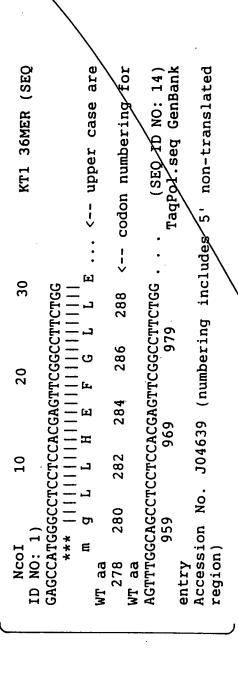
## FIG. 1A



US

## FIG. 1B

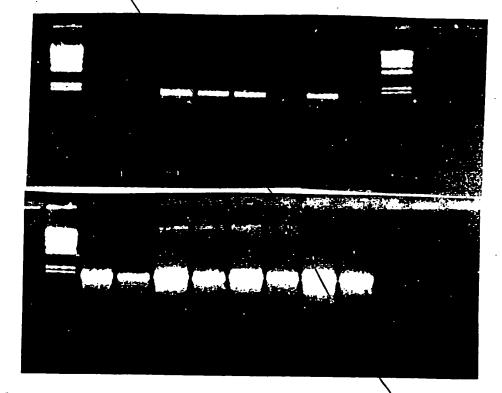
## FIG. 2

```
KT1 36MER (SEQ_KD NO:
                                                           <-- upper case are
                                                                                278 280 282 284 286 288 <-- codon numbering for
                                                                                                                                                                        (numbering includes 5' non-translated
                                                                                                                                               entry Accession number
                                                                                                                   Tfl.seq(SEQ ID NO: 16)
                                                                                                                                                                                                                                                                                      Tfl.seq (SEQ ID NO:
                                                                                                                                                                                                                   --other strand--
KLENTAQ32 35mer
10 20 30
GAGCCATGGGCCTCCTCCACGAGTTCGGCCTTCTGG
                                                                                                            AGTTTGGAAGCCTCCTCCACGAGTTCGGCCTCCTGG
                                       GGACTGGCTCTCGGCCAAGGAGTAGGGGGGTCCTG
                                                                                                                                                                                                                          GGACTGGCTCTCCGCCAAGGAGTAGTAAGCTTCGC
                                                                                                                                                                                                                                                                                                               3052
                                                                                                                                             1407
                                                                                                                                                                                                                                                                                                             3042
                                                                                                                                           1397
                                                                                                                                                                                                                                                                     828
                                                                                                                                                                                                                                                                                                             3032
                                                                                                                           GenBank
                                                                                                                                                                                  region)
                                                                  WT aa
                                                                                                                                                      X66105
                                                                                               WT aa
```

2 min. at indicated 99°, 98° or 97°, 10 min. 65° per cycle, 20 cycles. **AmpliTaq** KlenTaq1 99° 1/4 1/8 1/16 <-- ul per 100 ul reaction. <-- 2 KB product size KlenTaq1 AmpliTaq 98° 1/4 1/8\ 1/16 <- ul per 100 ul reaction. .8 .4 .2 <->
2 KB product size AmpliTaq KlenTaq1 97° 1/4 1/8 1/16 <- ul per 100 ul reaction. <- 2 KB product size

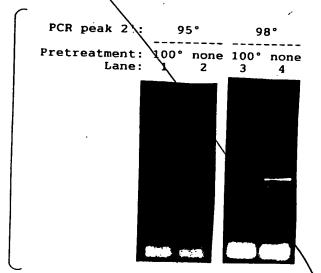
F1G. 4

Top, figure 4A: 2 min. 98° C, 10 min. 65° C, 20 cycles Bottom, figure 4B: 2 min. 95° C, 10 min. 65° C, 20 cycles



١





1A FIG.6A

16 FIG.6B

20 cycles of 2 min. 94°, 2 min. 60°, 10 min. 72°

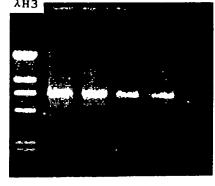


<--6.6KB

1C F1G.6C

20 cycles of 2 min. 95°, 1 min. 60°, 30 min. 72°

ul of KlenTaq-278 1 1 1 1 1 1 ul of Pfu DNA Pol 1 1/4 1/16 1/64 0



<--6.6KB

. 1

FIG. 7

